Flights Airlines Airports

Using Databricks, Spark, and Snowflake for flight data ETL and analysis

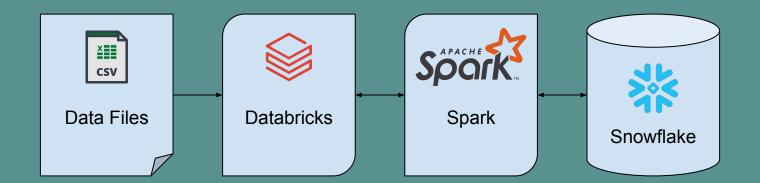
Tools







Data Flow



Data

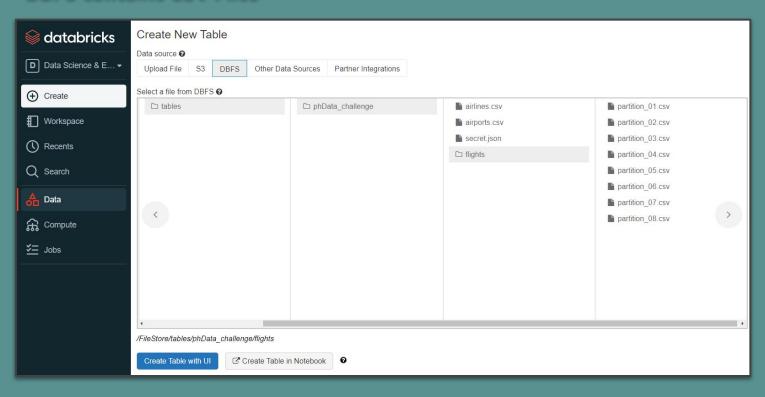
CSV Files

- 14 Airlines, 1 file
- 322 Airports, 1 file
- 3,920,766 Flights, 8 files



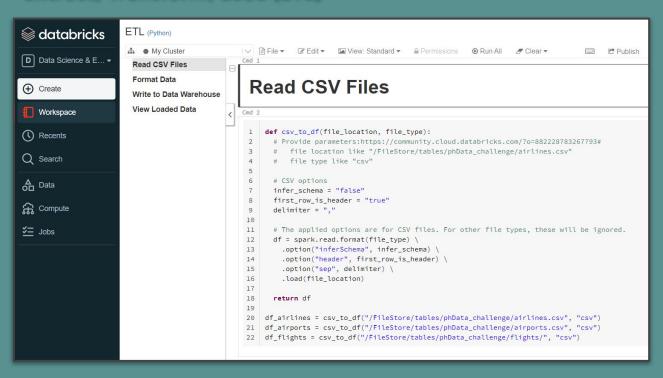
3,920,766 Flights!

DatabricksDBFS contains CSV Files

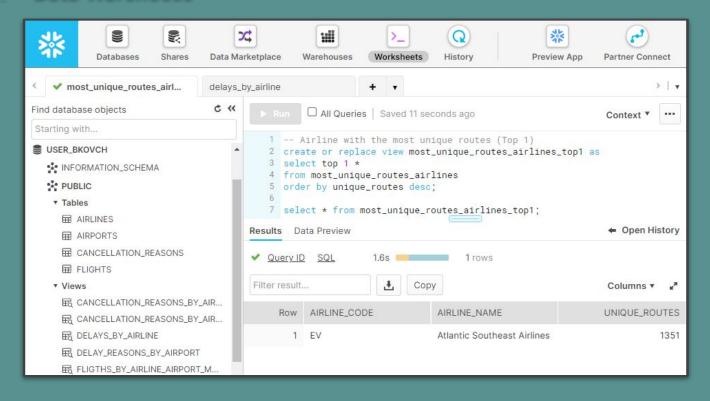


Spark

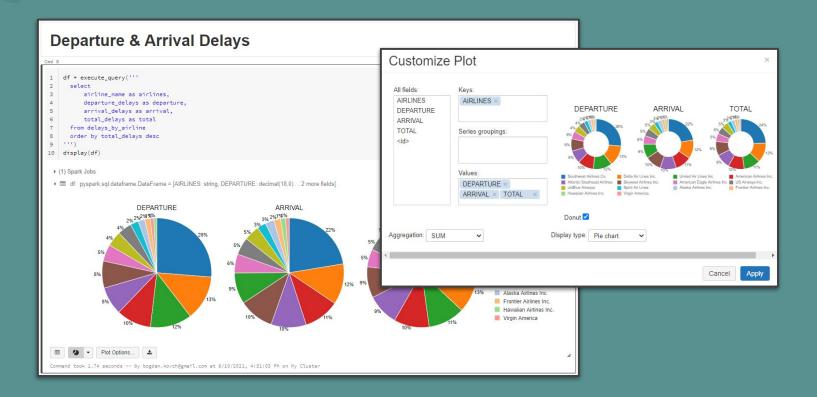
Extract, Transform, Load (ETL)



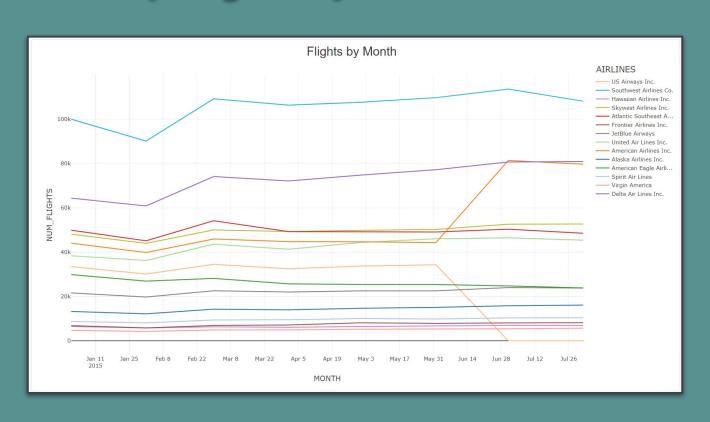
Snowflake Data Warehouse



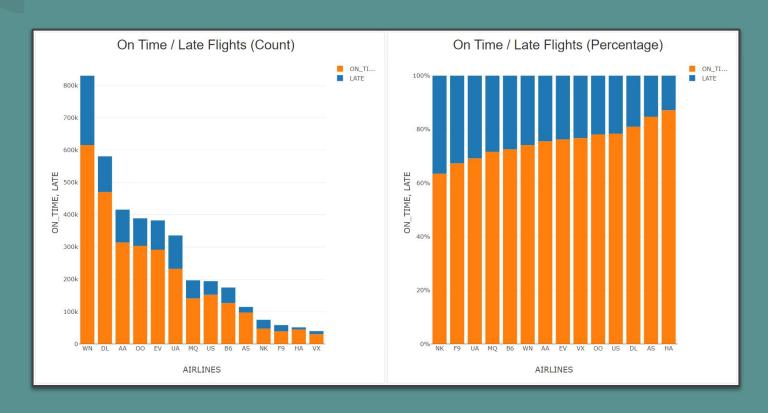
Visualization in Databricks



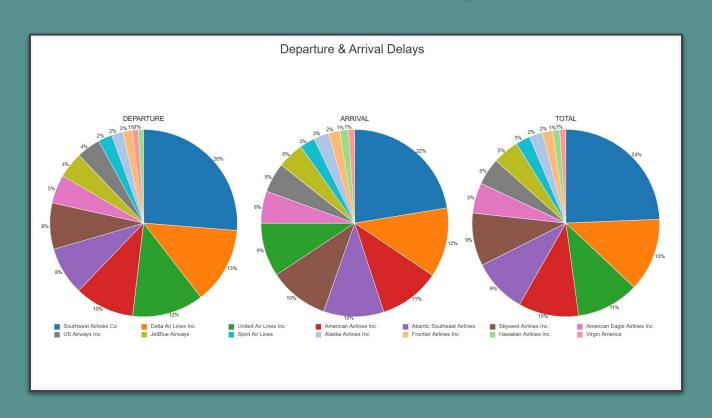
Monthly Flights by Airline



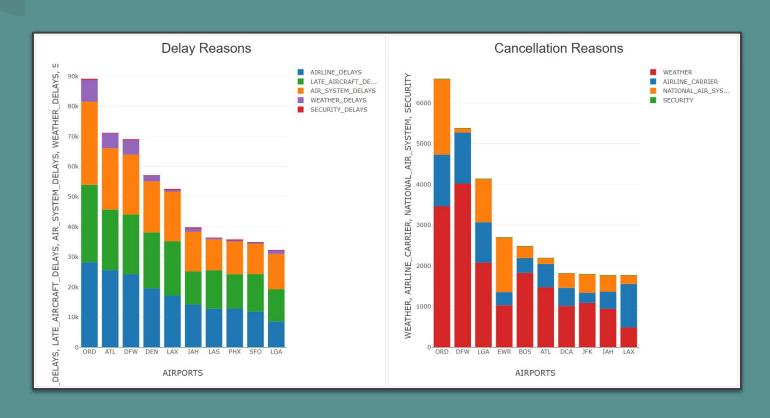
On Time vs. Late Flights



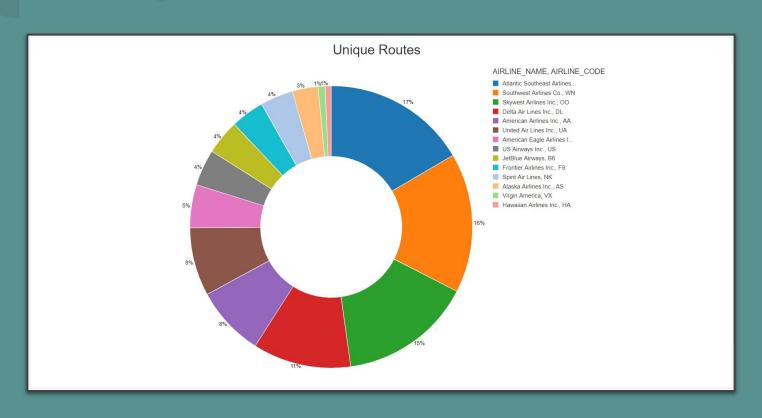
Departure & Arrival Delays



Delay & Cancellation Reasons



Variety of Routes





Prepared by Bogdan Kovch, June 2021 https://github.com/bkovch/DataChallenge https://www.linkedin.com/in/bogdan-kovch/